



DISCO

Kiru・Kezuru・Migaku Technologies



Water-soluble Additive

StayClean-F

Prevents pad corrosion during dicing



Pad corrosion prevention

For workpieces that have a long cut time, such as a workpiece with a small die size and a large diameter, corrosion may occur on the bonding pad due to prolonged exposure to the cutting water. By using StayClean-F, it prevents corrosion due to the formation of an ultra-thin barrier layer on the surface of the workpiece.

Particle adhesion prevention

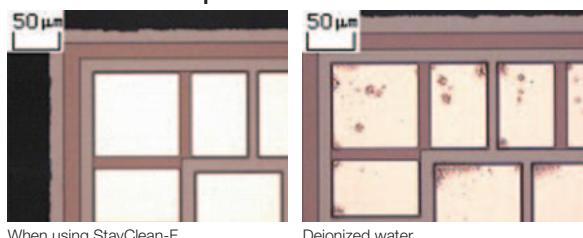
By using the additive agent StayClean-F, it separates particles from the workpiece surface and prevents adhesion of particles that can not be removed with the spinner wash after dicing.

Low environmental load/Low running cost

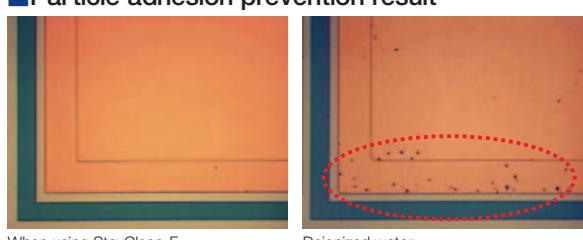
StayClean-F can be used in the same environment* as normal dicing and does not include any regulated chemical, such as substances covered under the RoHS directive or PFOS. Furthermore, since StayClean-F can be used even at diluted concentrations of one part per thousand, and in particular at one part per ten thousand to prevent corrosion, the running costs are low.

*If the cutting water is being recirculated, contact your DISCO sales representative.

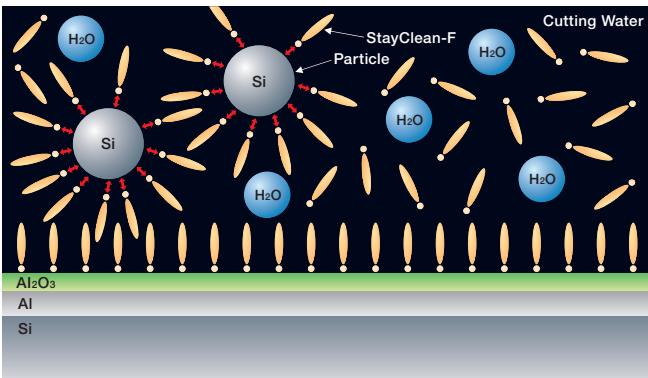
Pad corrosion prevention result



Particle adhesion prevention result



Water-soluble Additive StayClean-F

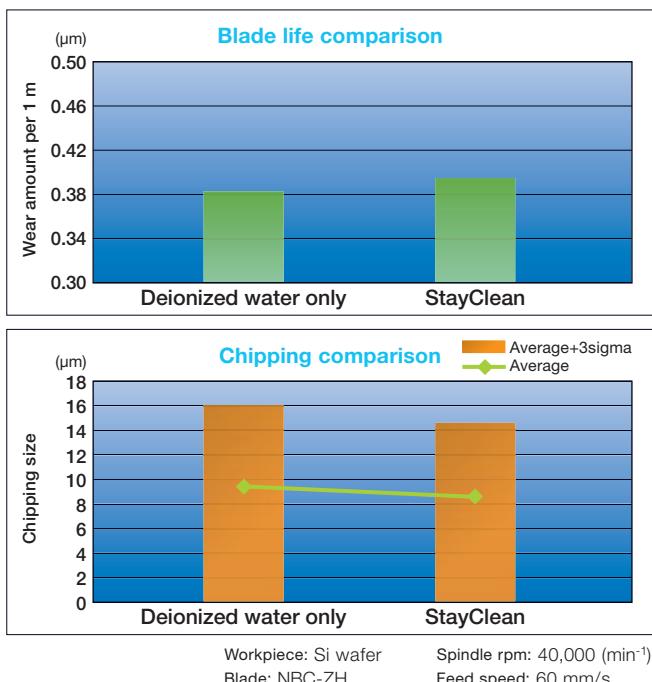


Mechanism

- [1] The components of StayClean-F form a barrier layer on the workpiece and this prevents pad corrosion and particle adhesion.
- [2] The components of StayClean-F are removed in the spinner wash process.

The same level of process results as when not used can be expected

Even if StayClean-F is added, the processing results are the same as for deionized water.



StayClean Injector

Using the injector developed exclusively for StayClean, stable supply is possible even at diluted concentrations of one part per thousand or more.
(Conforms to the CE marking)



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